

10/019301

531 Rec'd APC/F 07 JAN 2002

Claims

for water-resistant and moisture-proof paper,

1. A resin composition comprising 40 to 75 parts by weight of a polyolefin (A), 25 to 60 parts by weight of a tackifier (B) and 0 to 20 parts by weight of a compatibilizing agent (C), the total of (A), (B) and (C) being 100 parts by weight.

2. for water-resistant and moisture-proof paper A resin composition comprising 40 to 75 parts by weight of a polyolefin (A), 25 to 60 parts by weight of a tackifier (B) and 0 to 20 parts by weight of a compatibilizing agent (C), and 20 to 300 parts by weight of an inorganic filler (D) to the total amount of 100 parts by weight of (A), (B) and (C).

3. A resin composition of claim 1 or 2, wherein the polyolefin (A) comprises at least one of amorphous polypropylene resins.

4. A resin composition of claim 1 or 2, wherein the polyolefin (A) comprises a polypropylene homopolymer or a copolymer of propylene with at least one selected from the group consisting of ethylene and alphaolefins.

5. A resin composition of claim 1 or 2, wherein the tackifier (B) is at least one selected from the group consisting of rosin, modified rosins, ester compounds thereof, alkylphenol resins, alkylphenol-modified xylene resins, rosin-modified xylene resins, terpene phenol resins, terpene resins, aromatic-modified terpene resins, olefin resins, styrene resins, petroleum resins, hydrogenated petroleum resins and coumarone-indene resins.

6. A resin composition of claim 1 or 2, wherein the tackifier (B) is at least one selected from the group consisting of hydrogenated alicyclic petroleum resins, hydrogenated terpene resins and hydrogenated rosin esters.

7. A resin composition of claim 1 or 2, wherein the compatibilizing agent (C) is oxidized polyolefins and/or acid-modified polyolefins.

8. A resin composition of claim 2, wherein the inorganic filler (D) has an average particles size of not larger than $5\mu\text{m}$.

9. A resin composition of claim 2, wherein the inorganic filler (D) is one selected from the group consisting of calcium carbonate, kaolin and clay, having an average particle size of not larger than $5\mu\text{m}$.

10. A resin composition of claim 2, wherein the inorganic filler is blended so that a density of the resin composition is not less than 1.0 g/cm^3 .

11. A resin composition of any one of claims 1 to 10, which is colored with approximately the same color as a paper substrate. ✓

12. A water-resistant and moisture-proof paper forming a water-resistant and moisture-proof layer of the resin composition defined in any one of claims 1 to 11 on either one side of a paper substrate.

13. A water-resistant and moisture-proof paper for foods, forming a water-resistant and moisture-proof layer of the resin composition defined in claim 6 on either one side of a paper